IEEE P802.11
Wireless LANs

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| July 2012 Regulatory Meeting Minutes |
| Date: 2012-7-17 |
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Abstract

This document contains minutes of IEEE 802.11 Regulatory Standing Committee meeting in San Diego.

**July 17, 2012 (Tuesday) PM2 16:00 – 18:00**

1. Called to order by Acting Chair Peter Ecclesine at 16:00 local time.
2. Assign a recording secretary
	1. Peter Ecclesine, Cisco volunteered
3. Administrative items
	1. The acting chair reviewed the items on slide 4 of Document 11-12-0868-00-0reg-meeting-plan-and-agenda-san-diego-2012
	2. Required notices
		1. Patent policy was restated.
4. Review and approve the agenda
	1. Agenda in 11-12/868r0 accepted unanimously
	2. Acting Chair reads anti-trust and competition slide
	3. Acting Chair reads Introduction  (slide 6)
5. Regulatory Summary – North America
	1. **US**
		1. Opening the 5350 – 5470 MHz and 5850 to 5925 MHz bands
		2. NPRM to resolve TDWR issue still in process
		3. June 19th TVWS FCC Part 15.700 officially became law
	2. Canada are working on RSS-210  Rev 9 for 5 GHz band
	3. Chair reviews progress on unlicensed spectrum changes (slide 9)
6. Regulatory Summary – European Union (slide 11)
	1. First ETSI BRAN TVWS meeting was held June 6th – 8th to begin development of EN 301 598
		1. Closely following OFCOM Voluntary National Standard
	2. TG11 meeting was held June 4th and 5th on 2.4 GHz EN 300 328 v1.9.1
	3. RCWG sent LS to R&TTE CA and ADCO on the 5600 to 5650 band
	4. If only illegal operators are interferers, do not close the band
	5. Should we prepare similar letter to R&TTE CA and ADCO?
7. Regulatory Summary – Asia (slide 12)
	1. **Update from IEEE 802.11 liaison to Japan’s TVWS Promotion Committee**
		1. At May 802.11 mid-week plenary
	2. **TVWS being evaluated in Singapore and Korea**
8. Regulatory input to base standard (slide 13)
	1. **Regulatory changes occur asynchronously with amendments and amendment roll-ups**
		1. **This can affect the development of an amendment in process**
	2. **Can be done like ANA**
		1. **Adrian worked with Peter to a procedure for add regulatory updates in the ANA database**
		2. **To be reflected in new IEEE 802.11 OM**
9. Acting Chair describes **Interesting Websites and Documents (slides 14-16)**
10. **Acting chair opens 802.11-12/0911r0 Edits to ITU-R M.1801 and the current version of ITU-R M.1801, and reviewed changes.**
	1. Updating URLs and 802.11 clause numbers, and add 802.11ac Draft 3.0 parameters to Table 7.
	2. Acting chair asked is there any objection to presenting 802.11-12/0911r0 to the WG mid-week plenary, and none was heard.
	3. Vijay Auluck says both M.1801 and M.1450 will be considered in interference studies later this year.
	4. Acting chair opened ITU-R M.1450 showing depth of detailed information about 802.11n and the work it will take to similarly describe 802.11ac Draft 3.0
		1. David Levy opined it would be at least four hours work to draft such a submission, and the recording secretary agreed.
11. Adjourned at 17:34 local time

**Attendees**

Peter Ecclesine (Cisco Systems)

Tefvik Yucek (Qualcomm)

Dorothy Stanley (Aruba)

Joseph Levy (InterDigital)

Joe Kwak (InterDigital)

Vijay Auluck (Intel)

Wookbong Lee (LG Electronics)

Jim Lansford (CSR)

Bill Carney (Sony)

Timo Koskola (Renesas Mobile Corporation)

Larry Stefani (General Dynamics)

**References**

* + **US Spectrum and Spectrum Auction Bill: (**[**https://mentor.ieee.org/802.11/dcn/12/11-12-0312-00-0reg-us-spectrum-bill-text.docx**](https://mentor.ieee.org/802.11/dcn/12/11-12-0312-00-0reg-us-spectrum-bill-text.docx)**)**
	+ **CSMAC March 1st meeting documents**
		- [**Meeting Agenda and Teleconference Information**](http://www.ntia.doc.gov/files/ntia/meetings/csmac_agenda_mar_1_2012.doc)
		- [**CSMAC Spectrum Sharing Subcommittee Discussion Materials, March 2012**](http://www.ntia.doc.gov/files/ntia/meetings/csmac_spectrum_sharing_wg_summary_01mar2012_v1.ppt)
		- [**CSMAC Spectrum Sharing Subcommittee Working Notes**](http://www.ntia.doc.gov/files/ntia/meetings/csmac_spectrum_sharing_workinggroup_notes_03feb2012_v3.pdf)
		- [**Developing a Collaborative Spectrum Sharing and Impact Analysis Process**](http://www.ntia.doc.gov/files/ntia/meetings/csmac_process_for_developing_sharing_and_impact_analysis_2-17-12_v1.pdf)
		- [**CSMAC Search for 500 MHz Working Group Recommendations**](http://www.ntia.doc.gov/files/ntia/meetings/csmac_search_1755-1850_recommendations_final.ppt)
		- [**Separate Statement on Search for 500 MHz Working Group Recommendations**](http://www.ntia.doc.gov/files/ntia/meetings/500mhz_statement1.doc)
		- [**LTE (FDD) Transmitter Characteristics**](http://www.ntia.doc.gov/files/ntia/meetings/lte_technical_characteristics_0.doc)
		- [**Report of the Spectrum Management Improvements Working Group**](http://www.ntia.doc.gov/files/ntia/meetings/sm_improvements_report_second_question.pdf)
		- [**NTIA Response to CSMAC Recommendations**](http://www.ntia.doc.gov/files/ntia/meetings/ntia_evaluation_of_csmac_recommendations_for_cy_2011_120220.doc)
		- [**Unlicensed Subcommittee Draft Recommendations on Enforcement**](http://www.ntia.doc.gov/files/ntia/meetings/csmac_unlicensedcomm_enforcement_adoptiondraft_final_022412.doc)
		- [**Unlicensed Subcommittee Proposal for an Interference Clearinghouse Website**](http://www.ntia.doc.gov/files/ntia/meetings/unlicensedsubcomm_interference_clearinghouse_website_discussiondraft_ds_022412.doc)
		- [**Federal Register Notice**](http://www.ntia.doc.gov/federal-register-notice/2012/commerce-spectrum-management-advisory-committee-meeting)
	+ **EN 300 328 v1.8.0: (**[**https://mentor.ieee.org/802.18/dcn/12/18-12-0004-00-0000-en-300-328-v1-8-0.pdf**](https://mentor.ieee.org/802.18/dcn/12/18-12-0004-00-0000-en-300-328-v1-8-0.pdf)**)**
	+ **France 2.4 GHz rules change:** [**http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2009:289:0019:0020:EN:PDF**](http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2009:289:0019:0020:EN:PDF)
	+ **EN 301 893 v1.7.1: (**[**https://mentor.ieee.org/802.18/dcn/12/18-12-0005-00-0000-en-801-893-v1-7-1-initial-draft.doc**](https://mentor.ieee.org/802.18/dcn/12/18-12-0005-00-0000-en-801-893-v1-7-1-initial-draft.doc)**)**
	+ **Ofcom “Draft regulatory requirements for white space devices in the UHF TV band” updated 16FEB2012: (**[**https://mentor.ieee.org/802.18/dcn/12/18-12-0019-00-0000-ofcom-input-to-etsi-bran-tvws-work-item.pdf**](https://mentor.ieee.org/802.18/dcn/12/18-12-0019-00-0000-ofcom-input-to-etsi-bran-tvws-work-item.pdf)**)**
	+ **House of Lords investigate superfast broadband: (**[**http://www.digitaltveurope.net/20890/house-of-lords-to-investigate-superfast-broadband/**](http://www.digitaltveurope.net/20890/house-of-lords-to-investigate-superfast-broadband/)
	+ **European Parliament Radio Spectrum Policy Programme:** [**https://mentor.ieee.org/802.18/dcn/12/18-12-0020-00-0000-european-parliament-radio-spectrum-policy-programme.pdf**](https://mentor.ieee.org/802.18/dcn/12/18-12-0020-00-0000-european-parliament-radio-spectrum-policy-programme.pdf)
	+ **Direct Air to Ground Data Connectivity for A/C Use of License Exempt Spectrum: (**[**https://mentor.ieee.org/802.18/dcn/12/18-12-0006-00-0000-lufthansa-da2gc-presentation.pdf**](https://mentor.ieee.org/802.18/dcn/12/18-12-0006-00-0000-lufthansa-da2gc-presentation.pdf)**)**

**Interesting Websites**

* + **FCC Spectrum Dashboard: (**[**http://reboot.fcc.gov/spectrumdashboard/resultSpectrumBands.seam?conversationId=1533**](http://reboot.fcc.gov/spectrumdashboard/resultSpectrumBands.seam?conversationId=1533)**)**
	+ **Second Interim Progress Report on the Ten-Year Plan and Timetable: (**[**http://www.ntia.doc.gov/files/ntia/publications/second\_interim\_progress\_report\_on\_the\_ten\_year\_plan\_and\_timetable.pdf**](http://www.ntia.doc.gov/files/ntia/publications/second_interim_progress_report_on_the_ten_year_plan_and_timetable.pdf)**)**
	+ **FCC Technical Advisory Council, December 2011: (**[**http://transition.fcc.gov/oet/tac/tacdocs/tac-meeting-summary-12-20-11-final.pdf**](http://transition.fcc.gov/oet/tac/tacdocs/tac-meeting-summary-12-20-11-final.pdf)**)**